

WHAT IS CLAIMED IS:

1                   1.       A computer-implemented method of enabling information recorded  
2 during a presentation to be accessed using a printed paper document for the presentation, the  
3 method comprising:  
4                   receiving, prior to occurrence of the presentation, information identifying a set  
5 of items to be printed in the paper document for the presentation;  
6                   accessing recorded information comprising information recorded during the  
7 presentation; and  
8                   processing the recorded information to determine time information for one or  
9 more items that were presented during the presentation from the set of items, the time  
10 information for each item in the one or more items indicative of when information related to  
11 the item was presented during the presentation.

1                   2.       The method of claim of 1 further comprising:  
2                   receiving information indicating selection of an item printed in the paper  
3 document for the presentation;  
4                   determining time information for the selected printed item indicative of when  
5 the selected printed item was presented during the presentation; and  
6                   retrieving information for the selected printed item from the recorded  
7 information based upon the time information determined for the selected printed item.

1                   3.       The method of claim of 2 wherein receiving information indicating  
2 selection of an item printed in the paper document for the presentation comprises:  
3                   obtaining an image of a page of the paper document printed for the  
4 presentation on which the selected item is printed; and  
5                   determining the selection of the item from the image of the page.

1                   4.       The method of claim of 2 wherein receiving information indicating  
2 selection of an item printed in the paper document for the presentation comprises:  
3                   receiving information indicating selection of a barcode printed on a page of  
4 the paper document printed for the presentation, the barcode identifying the selected printed  
5 item.

1                   5.       The method of claim of 2 further comprising:

2 receiving a signal identifying a first type of information to be retrieved for the  
3 selected printed item; and

4 wherein retrieving the information comprises retrieving information of the  
5 first type for the selected printed item from the recorded information based upon the time  
6 information determined for the selected printed item.

1 6. The method of claim of 2 further comprising:

2 receiving information identifying a first action to be performed on information  
3 retrieved for the selected printed item; and

4 performing the first action on the information retrieved for the selected printed  
5 item.

1 7. The method of claim 6 wherein performing the first action comprises  
2 outputting the information retrieved for the selected printed item via an output device.

1 8. The method of claim 6 wherein performing the first action comprises  
2 saving the information retrieved for the selected printed item.

1 9. The method of claim 6 wherein performing the first action comprises  
2 communicating the information retrieved for the selected printed item.

1 10. The method of claim of 1 wherein receiving information identifying  
2 the set of items to be printed comprises receiving a signal to print the set of items.

1 11. The method of claim of 1 wherein processing the recorded information  
2 to determine time information for the one or more items comprises:

3 receiving one or more images extracted from the recorded information;

4 comparing the one or more images extracted from the recorded information  
5 with the set of items printed in the paper document for the presentation; and

6 determining the time information for each item in the one or more items based  
7 upon the comparison.

1 12. The method of claim of 1 further comprising storing information  
2 identifying a storage location of the recorded information.

1 13. The method of claim of 1 wherein the one or more items comprise  
2 slides.

1                   14.     A computer-implemented method of accessing information using a  
2 paper document, the method comprising:  
3                   storing first information comprising time information for one or more slides  
4 presented at a presentation, the time information for each slide in the one or more slides  
5 indicative of when the slide was presented during the presentation;  
6                   receiving a signal indicating selection of a slide from a set of slides printed on  
7 a paper document for the presentation;  
8                   determining time information for the selected slide using the first information,  
9 the time information for the selected slide indicative of when the selected slide was presented  
10 during the presentation; and  
11                  accessing information from information recorded during the presentation  
12 based upon the time information determined for the selected slide.

1                   15.     The method of claim 14 wherein storing the first information  
2 comprises:  
3                   receiving one or more images extracted from the information recorded during  
4 the presentation;  
5                   identifying the one or more slides presented at the presentation by comparing  
6 the one or more extracted images with images of slides in the set of slides printed on the  
7 paper document for the presentation; and  
8                   determining the time information for each slide in the one or more slides based  
9 upon the comparison.

1                   16.     The method of claim 14 further comprising:  
2                   receiving a signal indicating selection of a type of information for the selected  
3 slide; and  
4                   wherein accessing the information from the information recorded during the  
5 presentation comprises accessing information of the selected type based upon the time  
6 information determined for the selected slide.

1                   17.     The method of claim 14 further comprising:  
2                   receiving a signal indicating selection of an action to be performed for the  
3 selected slide; and

4 performing the selected action on the information accessed from the  
5 information recorded during the presentation.

1 18. The method of claim 17 wherein performing the selected action  
2 comprises outputting the accessed information via an output device.

1 19. The method of claim 17 wherein performing the selected action  
2 comprises saving the accessed information.

1 20. The method of claim 17 wherein performing the selected action  
2 comprises communicating the accessed information.

1 21. The method of claim 14 further comprising:  
2 storing second information identifying the set of slides printed on the paper  
3 document for the presentation, the first information stored prior to occurrence of the  
4 presentation.

1 22. A computer program product stored on a computer-readable medium  
2 for enabling information recorded during a presentation to be accessed using a printed paper  
3 document for the presentation, the computer program product comprising:  
4 code for receiving, prior to occurrence of the presentation, information  
5 identifying a set of items to be printed in the paper document for the presentation;  
6 code for accessing recorded information comprising information recorded  
7 during the presentation; and  
8 code for processing the recorded information to determine time information  
9 for one or more items that were presented during the presentation from the set of items, the  
10 time information for each item in the one or more items indicative of when information  
11 related to the item was presented during the presentation.

1 23. The computer program product of claim of 22 further comprising:  
2 code for receiving information indicating selection of an item printed in the  
3 paper document for the presentation;  
4 code for determining time information for the selected printed item indicative  
5 of when the selected printed item was presented during the presentation; and  
6 code for retrieving information for the selected printed item from the recorded  
7 information based upon the time information determined for the selected printed item.

1                   24.     The computer program product of claim of 23 wherein the code for  
2 receiving information indicating selection of an item printed in the paper document for the  
3 presentation comprises:

4                   code for obtaining an image of a page of the paper document printed for the  
5 presentation on which the selected item is printed; and

6                   code for determining the selection of the item from the image of the page.

1                   25.     The computer program product of claim of 23 wherein the code for  
2 receiving information indicating selection of an item printed in the paper document for the  
3 presentation comprises:

4                   code for receiving information indicating selection of a barcode printed on a  
5 page of the paper document printed for the presentation, the barcode identifying the selected  
6 printed item.

1                   26.     The computer program product of claim of 23 further comprising:  
2 code for receiving a signal identifying a first type of information to be  
3 retrieved for the selected printed item; and

4                   wherein the code for retrieving the information comprises code for retrieving  
5 information of the first type for the selected printed item from the recorded information based  
6 upon the time information determined for the selected printed item.

1                   27.     The computer program product of claim of 23 further comprising:  
2 code for receiving information identifying a first action to be performed on  
3 information retrieved for the selected printed item; and

4                   code for performing the first action on the information retrieved for the  
5 selected printed item.

1                   28.     The computer program product of claim 27 wherein the code for  
2 performing the first action comprises code for outputting the information retrieved for the  
3 selected printed item via an output device.

1                   29.     The computer program product of claim 27 wherein the code for  
2 performing the first action comprises code for saving the information retrieved for the  
3 selected printed item.

1                   30.     The computer program product of claim 27 wherein the code for  
2 performing the first action comprises code for communicating the information retrieved for  
3 the selected printed item.

1                   31.     The computer program product of claim of 22 wherein the code for  
2 receiving information identifying the set of items to be printed comprises code for receiving a  
3 signal to print the set of items.

1                   32.     The computer program product of claim of 22 wherein the code for  
2 processing the recorded information to determine time information for the one or more items  
3 comprises:

4                   code for receiving one or more images extracted from the recorded  
5 information;

6                   code for comparing the one or more images extracted from the recorded  
7 information with the set of items printed in the paper document for the presentation; and

8                   code for determining the time information for each item in the one or more  
9 items based upon the comparison.

1                   33.     The computer program product of claim of 22 further comprising code  
2 for storing information identifying a storage location of the recorded information.

1                   34.     The computer program product of claim of 22 wherein the one or more  
2 items comprise slides.

1                   35.     A computer program product stored on a computer-readable medium  
2 for accessing information using a paper document, the computer program product  
3 comprising:

4                   code for storing first information comprising time information for one or more  
5 slides presented at a presentation, the time information for each slide in the one or more  
6 slides indicative of when the slide was presented during the presentation;

7                   code for receiving a signal indicating selection of a slide from a set of slides  
8 printed on a paper document for the presentation;

9                   code for determining time information for the selected slide using the first  
10 information, the time information for the selected slide indicative of when the selected slide  
11 was presented during the presentation; and

12 code for accessing information from information recorded during the  
13 presentation based upon the time information determined for the selected slide.

1 36. The computer program product of claim 35 wherein the code for  
2 storing the first information comprises:  
3 code for receiving one or more images extracted from the information  
4 recorded during the presentation;  
5 code for identifying the one or more slides presented at the presentation by  
6 comparing the one or more extracted images with images of slides in the set of slides printed  
7 on the paper document for the presentation; and  
8 code for determining the time information for each slide in the one or more  
9 slides based upon the comparison.

1 37. The computer program product of claim 35 further comprising:  
2 code for receiving a signal indicating selection of a type of information for the  
3 selected slide; and  
4 wherein the code for accessing the information from the information recorded  
5 during the presentation comprises code for accessing information of the selected type based  
6 upon the time information determined for the selected slide.

1 38. The computer program product of claim 35 further comprising:  
2 code for receiving a signal indicating selection of an action to be performed  
3 for the selected slide; and  
4 code for performing the selected action on the information accessed from the  
5 information recorded during the presentation.

1 39. The computer program product of claim 38 wherein the code for  
2 performing the selected action comprises code for outputting the accessed information via an  
3 output device.

1 40. The computer program product of claim 38 wherein the code for  
2 performing the selected action comprises code for saving the accessed information.

1 41. The computer program product of claim 38 wherein the code for  
2 performing the selected action comprises code for communicating the accessed information.

1                   42.     The computer program product of claim 35 further comprising:  
2                   code for storing second information identifying the set of slides printed on the  
3 paper document for the presentation, the first information stored prior to occurrence of the  
4 presentation.

1                   43.     A system comprising:  
2                   a data processing system; and  
3                   a memory configured to store recorded information comprising information  
4 recorded during a presentation,  
5                   wherein the data processing system is configured to:  
6                   receive, prior to occurrence of the presentation, information identifying  
7 a set of items to be printed in the paper document for the presentation, accessing recorded  
8 information comprising information recorded during the presentation, and  
9                   process the recorded information to determine time information for one  
10 or more items that were presented during the presentation from the set of items, the time  
11 information for each item in the one or more items indicative of when information related to  
12 the item was presented during the presentation.

1                   44.     The system of claim of 43 wherein the data processing system is  
2 further configured to:  
3                   receive information indicating selection of an item printed in the paper  
4 document for the presentation,  
5                   determine time information for the selected printed item indicative of when  
6 the selected printed item was presented during the presentation, and  
7                   retrieve information for the selected printed item from the recorded  
8 information based upon the time information determined for the selected printed item.

1                   45.     The system of claim of 44 wherein the data processing system is  
2 configured to:  
3                   obtain an image of a page of the paper document printed for the presentation  
4 on which the selected item is printed, and  
5                   determine the selection of the item from the image of the page.



1                   46.     The system of claim of 44 wherein the data processing system is  
2 configured to receive information indicating selection of a barcode printed on a page of the  
3 paper document printed for the presentation, the barcode identifying the selected printed item.

1                   47.     The system of claim of 44 wherein the data processing system is  
2 configured to:  
3                   receive a signal identifying a first type of information to be retrieved for the  
4 selected printed item, and  
5                   retrieve information of the first type for the selected printed item from the  
6 recorded information based upon the time information determined for the selected printed  
7 item.

1                   48.     The system of claim of 44 wherein the data processing system is  
2 configured to:  
3                   receive information identifying a first action to be performed on information  
4 retrieved for the selected printed item, and  
5                   perform the first action on the information retrieved for the selected printed  
6 item.

1                   49.     The system of claim 48 wherein the data processing system is  
2 configured to output the information retrieved for the selected printed item via an output  
3 device.

1                   50.     The system of claim 48 wherein the data processing system is  
2 configured to save the information retrieved for the selected printed item.

1                   51.     The system of claim 48 wherein the data processing system is  
2 configured to communicate the information retrieved for the selected printed item.

1                   52.     The system of claim of 43 wherein the data processing system is  
2 configured to receive a signal to print the set of items.

1                   53.     The system of claim of 43 wherein the data processing system is  
2 configured to:  
3                   receive one or more images extracted from the recorded information,

4                   compare the one or more images extracted from the recorded information with  
5 the set of items printed in the paper document for the presentation, and  
6                   determine the time information for each item in the one or more items based  
7 upon the comparison.

1                   54.     The system of claim of 43 wherein the memory is configured to store  
2 information identifying a storage location of the recorded information.

1                   55.     The system of claim of 43 wherein the one or more items comprise  
2 slides.

1                   56.     A system comprising:  
2                   a data processing system; and  
3                   a memory configured to store first information comprising time information  
4 for one or more slides presented at a presentation, the time information for each slide in the  
5 one or more slides indicative of when the slide was presented during the presentation, the  
6 memory further configured to store information recorded during the presentation,  
7                   wherein the data processing system is configured to:  
8                   receive a signal indicating selection of a slide from a set of slides  
9 printed on a paper document for the presentation,  
10                  determine time information for the selected slide using the first  
11 information, the time information for the selected slide indicative of when the selected slide  
12 was presented during the presentation, and  
13                  access information from the information recorded during the  
14 presentation based upon the time information determined for the selected slide.

1                   57.     The system of claim 56 wherein the data processing system is  
2 configured to:  
3                   receive one or more images extracted from the information recorded during  
4 the presentation,  
5                   identify the one or more slides presented at the presentation by comparing the  
6 one or more extracted images with images of slides in the set of slides printed on the paper  
7 document for the presentation, and  
8                   determine the time information for each slide in the one or more slides based  
9 upon the comparison.

10                   16.     The system of claim 56 wherein the data processing system is  
11 configured to:  
12                   receive a signal indicating selection of a type of information for the selected  
13 slide, and  
14                   access information of the selected type based upon the time information  
15 determined for the selected slide.

1                   58.     The system of claim 56 wherein the data processing system is  
2 configured to:  
3                   receive a signal indicating selection of an action to be performed for the  
4 selected slide, and  
5                   perform the selected action on the information accessed from the information  
6 recorded during the presentation.

1                   59.     The system of claim 58 wherein the data processing system is  
2 configured to output the accessed information via an output device.

1                   60.     The system of claim 58 wherein the data processing system is  
2 configured to save the accessed information.

1                   61.     The system of claim 58 wherein the data processing system is  
2 configured to communicate the accessed information.

1                   62.     The system of claim 56 the memory is configured to store second  
2 information identifying the set of slides printed on the paper document for the presentation,  
3 the first information stored prior to occurrence of the presentation.

1                   63.     A system for enabling information recorded during a presentation to be  
2 accessed using a printed paper document for the presentation, the system comprising:  
3                   means for receiving, prior to occurrence of the presentation, information  
4 identifying a set of items to be printed in the paper document for the presentation;  
5                   means for accessing recorded information comprising information recorded  
6 during the presentation; and  
7                   means for processing the recorded information to determine time information  
8 for one or more items that were presented during the presentation from the set of items, the

9 time information for each item in the one or more items indicative of when information  
10 related to the item was presented during the presentation.

1                   64.     A system for accessing information using a paper document, the  
2 system comprising:  
3                   means for storing first information comprising time information for one or  
4 more slides presented at a presentation, the time information for each slide in the one or more  
5 slides indicative of when the slide was presented during the presentation;  
6                   means for receiving a signal indicating selection of a slide from a set of slides  
7 printed on a paper document for the presentation;  
8                   means for determining time information for the selected slide using the first  
9 information, the time information for the selected slide indicative of when the selected slide  
10 was presented during the presentation; and  
11                   means for accessing information from information recorded during the  
12 presentation based upon the time information determined for the selected slide.